

IFW

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Filing Receipt Corrections, Office of Initial Patent Examination, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: October 27, 2004

Signature:

*Tawana L. Garcia*  
(Tawana L. Garcia)

Docket No.: 02008/105002  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Shinsaku Higashi et al.

Application No.: 10/814,603

Confirmation No.: 5472

Filed: March 31, 2004

Art Unit: 2123

For: TEST EMULATOR, TEST MODULE  
EMULATOR AND RECORD MEDIUM  
STORING PROGRAM THEREIN

Examiner: Not Yet Assigned

**REQUEST FOR CORRECTED FILING RECEIPT**

Filing Receipt Corrections  
Office of Initial Patent Examination  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant hereby requests that a corrected Filing Receipt be issued in the above-identified patent application. The official Filing Receipt received by Applicant, a copy of which is attached hereto, has the following errors: the priority and the Continuation-In-Part information are missing.

Please insert the following Continuation-In-Part information --The application is a CIP of PCT application No. PCT/JP2004/001648 filed February 16, 2004--. Please also insert the following priority information, -- U.S. Provisional Application No. 60/447,839, filed February 14, 2003; U.S. Provisional Application No. 60/449,622, filed February 24, 2003; U.S. Patent Application No. 10/403,817, filed March 31, 2003; and U.S. Patent Application No. 10/404,002, filed March 31, 2003--. The above priority information is evidenced by the attached

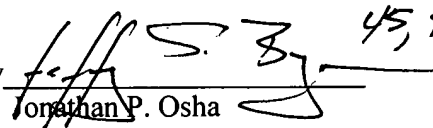
signed Declaration and Power of Attorney, the first page of the Utility Application Transmittal, and the first page of the application as filed.

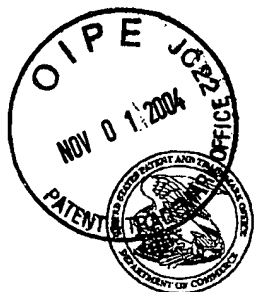
Applicant additionally requests that all pertinent U.S. Patent and Trademark Office records relating to the subject application be changed to reflect this correction.

Applicant believes no fee is due with this request. However, if a fee is due, please charge our Deposit Account No. 50-0591, under Order No. 02008/105002 from which the undersigned is authorized to draw.

Dated: October 27, 2004

Respectfully submitted,

By  45,925  
Jonathan P. Osha  
Registration No.: 33,986  
OSHA & MAY L.L.P.  
1221 McKinney St., Suite 2800  
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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/814,603	03/31/2004	2123	1158	02008/105002	28	17	6

CONFIRMATION NO. 5472

Johathan P. Osha  
Osha Novak & May L.L.P.  
Suite 2800  
1221 McKinney St.  
Houston, TX 77010

UPDATED FILING RECEIPT



\*OC000000013781359\*

RECEIVED

SEP 13 2004

OSHA &amp; MAY L.L.P.

Date Mailed: 09/10/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

## Applicant(s)

Shinsaku Higashi, Tokyo, JAPAN;  
Seiji Ichiyoshi, Tokyo, JAPAN;  
Ankan Pramanick, Tokyo, JAPAN;  
Mark Elston, Tokyo, JAPAN;  
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Ramachandran Krishnaswamy, Tokyo, JAPAN;  
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Toshiaki Adachi, Tokyo, JAPAN;  
Yoshihumi Tahara, Tokyo, JAPAN;

Docketing	
Action:	Request Correct SFR
Base Date:	9-10-04
Due Date:	11-10-04
Deadline:	11-10-04
Initials:	oko
Atty/Sec Initials:	

**Power of Attorney:** The patent practitioners associated with Customer Number **22511**.

**Domestic Priority data as claimed by applicant**

**Foreign Applications**

**If Required, Foreign Filing License Granted:** 06/22/2004

The number of your priority application, to be used for filing abroad under the Paris Convention is,  
**US10/814,603**

**Projected Publication Date:** 10/06/2005

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

Test emulator, test module emulator, and record medium storing program therein

**Preliminary Class**

703

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

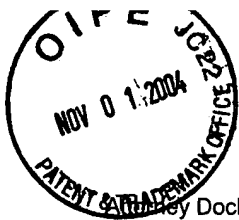
The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



Patent Docket No. 02008.105002

PTO/SB/106 (8-96)  
Approved for use through 9/30/98. OMB 0651-0032  
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

### Japanese Language Declaration

日本語宣言書

PTO Customer No.  
22511

下記の氏名の発明者として、私は以下の通り宣言します。

As a below-named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**TEST EMULATOR, TEST MODULE EMULATOR,  
AND RECORD MEDIUM STORING PROGRAM  
THEREIN**

上記発明の明細書（下記の欄でX印がついていない場合は、本書に添付）は、

the specification of which is attached hereto unless the following box is checked:

☐ 月 日に提出され、米国出願番号または特許協定条約国際出願番号を \_\_\_\_\_ とし、  
（該当する場合） \_\_\_\_\_ に訂正されました。

☒ was filed on March 31, 2004  
as United States Application Number or  
PCT International Application Number  
10/814,603 and was amended on  
\_\_\_\_\_ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条5.6項に定義されどおり、特許資格の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

Page 1

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

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### Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国外の国の少なくとも一カ国を指定している特許協力条約365(a)項に基づき国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している。本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

#### Prior Foreign Application(s) 外国での先行出願

(Number) (番号)	(Country) (国名)
(Number) (番号)	(Country) (国名)

I hereby claim foreign priority under Title 35, United States Code, Section 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed  
優先権主張なし

(Day/Month/Year Filed) (出願年月日)
(Day/Month/Year Filed) (出願年月日)

私は、第35編米国法典119条(e)項に基づいて下記の米国外の特許出願規定に記載された権利をここに主張いたします。

60/447,839 (Application No.) (出願番号)	02/14/2003 (Filing Date) (出願日)
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I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

60/449,622 (Application No.) (出願番号)	02/24/2003 (Filing Date) (出願日)
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私は、下記の米国法典第35編120条に基づいて下記の米国外の特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づき権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

PCT/JP2004/001648 10/403,817 10/404,002 (Application No.) (出願番号)	02/16/2004 03/31/2003 03/31/2003 (Filing Date) (出願日)
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Pending Pending Pending (Status: Patented, Pending, Abandoned) (現況: 特許許可済、係属中、放棄済)
--

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じることに基づき表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行えば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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## Japanese Language Declaration

(日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の手続きを米特許事務局に対して遂行する弁理士または代理人として、下記の者を指名いたします。(弁護士、または代理人の氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

PTO Customer No. 22511

Send Correspondence to:

書類送付先

Jonathan P. Osha  
Osha & May L.L.P.  
1221 McKinney St., Suite 2800  
Houston, TX 77010

直接電話連絡先: (名前及び電話番号)

Direct Telephone Calls to: (name and telephone number)

Jonathan P. Osha  
713-228-8600

唯一または第一発明者名:

Full name of sole or first inventor

Shinsaku HIGASHI

発明者の署名

日付

Inventor's signature

Date

Shinsaku Higashi

July 5, 2004

住所

Residence

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国籍

Citizenship

Japan

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Post Office Address

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Nerima-ku, TOKYO, 179-0071 JAPAN

第二共同発明者

Full name of second joint inventor, if any

Seiji ICHIYOSHI

第二共同発明者

日付

Second inventor's signature

Date

Seiji Ichiyoshi

July 9, 2004

住所

Residence

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国籍

Citizenship

Japan

私書箱

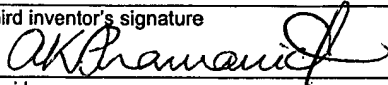
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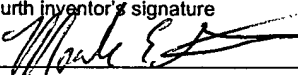
c/o Advantest Corporation, 1-32-1, Asahi-cho,  
Nerima-ku, TOKYO, 179-0071 JAPAN

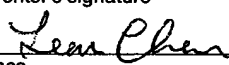
(第三以降の共同発明者についても同様に記載し、署名をすること)

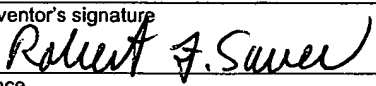
(Supply similar information and signature for third and subsequent joint inventors.)

Japanese Language Declaration  
Additional Inventor Signature Sheet

Full name of third inventor	
Ankan PRAMANICK	
Third inventor's signature 	Date 07/26/2004
Residence	
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Citizenship	
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Post Office Address	
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Full name fourth inventor	
Mark ELSTON	
Fourth inventor's signature 	Date 19 July 2004
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Full name of fifth inventor	
Leon CHEN	
Fifth inventor's signature 	Date 7/20/2004
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Citizenship	
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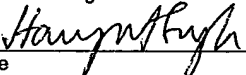
Full name of sixth inventor	
Robert SAUER	
Sixth inventor's signature 	Date 7/22/2004
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Citizenship	
USA	
Post Office Address	
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# Japanese Language Declaration

## Additional Inventor Signature Sheet

Full name seventh inventor	
Ramachandran KRISHNASWAMY	
Seventh inventor's signature	Date
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Full name eighth inventor	
Harsanjeet SINGH	
Eighth inventor's signature	Date
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Citizenship	
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Full name ninth inventor	
Toshiaki ADACHI	
Ninth inventor's signature	Date
	7/26/04
Residence	
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Citizenship	
Japan	
Post Office Address	
c/o Advantest Corporation, 1-32-1, Asahi-cho, Nerima-ku, TOKYO, 179-0071 JAPAN	

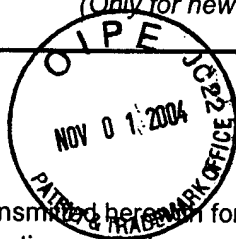
Full name of tenth inventor	
Yoshihumi TAHARA	
Tenth inventor's signature	Date
	07/19/2004
Residence	
Tokyo, Japan	
Citizenship	
Japan	
Post Office Address	
c/o Advantest Corporation, 1-32-1, Asahi-cho, Nerima-ku, TOKYO, 179-0071 JAPAN	

# UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
02008.105002

Total Pages in this Submission

**TO THE COMMISSIONER FOR PATENTS**

Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**TEST EMULATOR, TEST MODULE EMULATOR, AND RECORD MEDIUM STORING PROGRAM THEREIN**

and invented by:

Shinsaku HIGASHI, Seiji ICHIYOSHI, Ankan PRAMANICK, Mark ELSTON, Leon CHEN, Robert SAUER, Ramachandran KRISHNASWAMY, Harsanjeet SINGH, Toshiaki ADACHI, and Yoshihumi TAHARA

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: PCT/JP2004/001648

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1. ☐ Filing fee as calculated and transmitted as described below \*\*\* FILING FEES DEFERRED \*\*\*
2. ☒ Specification having 120 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

22511

PATENT TRADEMARK OFFICE



## TEST EMULATOR, TEST MODULE EMULATOR, AND RECORD MEDIUM STORING PROGRAM THEREIN

The present application is a continuation-in-part application of PCT application  
5 No. PCT/JP2004/001648 filed on February 16, 2004, which claims priority from Serial  
No. 60/447,839 filed on February 14, 2003, 60/449,622 filed on February 24, 2003,  
10/403,817 filed on March 31, 2003 and 10/404,002 filed on March 31, 2003, the entire  
contents of which are incorporated herein by reference.

10 The present invention also relates to a United States Patent Application No.  
10/404,002 filed on 31 March 2003, a United States Patent Application No. 10/403,817  
filed on 31 March 2003, an International Patent Application No. PCT/JP2004/001649  
filed on 16 February 2004, and an International Patent Application No.  
PCT/JP2004/001648 filed on 16 February 2004, which is incorporated herein by  
15 reference.

### BACKGROUND OF THE INVENTION

#### Field of the Invention

20 The present invention relates to a test emulator, a test module emulator, and a  
record medium storing program therein. More particularly, the present invention  
relates to a test emulator, a test module emulator, and a record medium storing program  
therein for emulating test apparatuses including a plurality of exchangeable test modules  
for supplying a test signal to DUTs respectively, and verifying a test environment  
25 without using real things such as a DUT or a test module.

#### Description of Related Art

Conventionally, technologies are disclosed in Japanese patent application  
publications No. 10-320229, No. 2000-267881, No. 2001-51025, No. 2001-134457, and  
30 No. 2002-333469, as means for verifying test environment without using real things  
such as a DUT or a test apparatus.